Examiner's Amendment and Statement of Reasons for Allowance

1.   This action is responsive to Applicant's amendment filed April 16, 2008.

Examiner's Amendment

2.   An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Rudolf Siegesmund, Registration Number 37,720, on July 8, 2008 for obviating any potential 101 issues and put the claims in condition for allowance.

The application has been amended as follows:

1-27 cancelled.

28. (New) A computer implemented method for packaging a web application archive file, comprising:
identifying a first plurality of resources and a second plurality of resources from a group of resources available for a development project;

identifying a related resource, wherein a related resource is a resource present in both the first plurality of resources and in the second plurality of resources;

identifying independent resources, wherein the independent resources are resources present only in the first plurality of resources and not in the second plurality of resources, and resources present only in the second plurality of resources and not in the first plurality of resources;

dividing the development project into a first module and a second module, wherein the first module is developed by a first development team and the second module is developed by a second development team independently of the first development team;

incorporating copies of the first plurality of resources into the first module;

incorporating copies of the second plurality of resources into the second module;

modifying a copy of the related resource in the first module such that information in the copy of the related resource in the first module conflicts with information in the copy of the related resource in the second module;

after completing development of the first module and the second module, creating a single web application archive file for use by both the first module and the second module, wherein the single web application archive file comprises:

   the independent resources; and

   the related resource, wherein the related resource includes the information in the copy of the related resource in the first module that conflicts with the information

in the copy of the related sources in the second module, but not the information in
the copy of the related resource in the second module.

--   The End   --

Examiner's Statement of Reason(s) for Allowance

3.   Claim 28 is allowed.

4.   The following is an examiner's statement of reasons for allowance:

The prior arts of record: **Schwartz** et al., teaches a file management system
comprises a computerized data storage and retrieval utility for integrating data
files produced by independent data processing operations by linking the data files
according to user-definable relationships. The machine assigns user-definable
attributes to the data files and their links and searches for groups of files and links
having selected attributes. **Fresko** et al., teaches a method and apparatus for pre-
processing and packaging class files. Embodiments remove duplicate information
elements from a set of class files to reduce the size of individual class files and to
prevent redundant resolution of the information elements. Memory allocation
requirements are determined in advance for the set of classes as a whole to reduce
the complexity of memory allocation when the set of classes are loaded. White et
al., teaches an invention can be used to automatically determine what files are
needed to optimally execute a computer program to a desired state. In one
embodiment the invention automatically creates an optimized file containing the
files that are necessary to reach the desired state of a computer program. One
or more remainder files may also be created. **Lee** et al., teaches a tool referred to
herein as an archive maker operates on one or more existing archive files that
contain multiple object oriented classes to generate one or more new archive files.
The archive maker takes a list of required classes, analyzes those classes in one or
more existing archive files to determine any classes upon which they depend, and
creates a new archive file with all the required and dependent classes. **Madany** et
al., teaches a task executing at a server receives a request to package program

code for remote execution on a client, and determines the software components that already reside at the client. The task uses this information to formulate a set of instructions to another task that creates the package. **Foster,** teaches a method and apparatus for packaging and distributing software. Embodiments of the invention comprise a software packaging system that is portable across many platforms. Each package is self-contained in form of a single-file entity that comprises a payload file and a control file. The payload file is an archive file that contains a compressed collection of all the software files that are required for installation of the software package. **Narayanaswamy** et al., teaches a system and method for assembling and deploying program units to application servers uses single transparent deployment flow (STDF) architecture to allow users to have a single deployment process deploying to an application server that may be installed across a plurality of platforms or a single platform. The STDF system and method of the present disclosure in one embodiment retrieves information relating to applications deployed, nodes, server or container information, and virtual hosts for web applications.

Lara et al., teaches a method that allows a system operator to distribute content to each web server in the web service system. In one embodiment, a method for replicating changes in a source file set on a destination file system includes identifying changes in a source file set, storing the identified changes in a modification list, and transmitting the modification list to an agent having access to a destination file system. In another embodiment, a method for replicating changes in a source file set on a destination file system includes identifying changes in a source file set, storing the identified changes in a modification list, and transmitting the modification list to a plurality of web servers.

Narayanaswamy et al., teaches a system and method for a deployment tool is
provided. The deployment tool in one aspect assembles and deploys software
components generated by any predetermined standard compliant application tools.
The system and method in one aspect isolates each application server's specific
deployment logic into plug-in modules. A user is provided with a series of input
tools or panels for specifying deployment variables and customizing the
deployment as needed. **Potter** et al., teaches an integration component such as an
application integration engine can be bundled as a single, self-contained J2EE
Enterprise archive (EAR) file. The bundling of the component into an EAR file
enables the component to be deployed to any valid system domain that is running
and available. A recycling of the server then may be necessary only if a Java
archive file is added to the classpath for non-system domains. This description is
not intended to be a complete description of, or limit the scope of, the invention.
Hayes et al., teaches a representation of nested electronic data archives permitting
archived resources to be efficiently accessed during use is disclosed. A method
and system is disclosed which selectively expands and efficiently stores the
contents of an archive during use. **Nishikawa** et al., teaches a database system
includes a center server and local servers. The center server includes a replication
requesting unit, a data consolidating unit including a center DB freeze requesting
unit and a center DB freeze release requesting unit, a replication source managing
table and a data consolidation completion notifying unit. **Chan,** teaches
reformulating shared resources according to the nodes reachable from a set of
defined entry points, the reformulated resources will contain nodes of relevance.
Pearson, teaches the replacement selection algorithm for ordered merging is
improved by remembering at each node of the selection tree when a losing data

item is a duplicate of the prior winning data item at that node. The next time a key comparison between data items would be performed at such a node, it is not, and instead the duplicate prior loser is instantly promoted to be the next winner, avoiding the need for any further key comparisons for that winner. **Secrist** et al., teaches a method of integrating software components into an integrated solution, where those components were not expressly designed for interoperability, may include assessing said components, designing a flow among said components for said integrated solution and integrating said components. **Upton**, teaches The J2EE Connector architecture (JCA) does not provide for the use of asynchronous messaging. Embodiments of the present invention utilize a call-back listener passed with a request or service invocation to listen for responses from a JCA-compliant server or enterprise system. A client application passing the request can go about other processing instead of waiting for a response. A unique identifier can be used with an application view component that provides the interface to the enterprise system or server. This identifier can be used to track and filter messages for a particular client application. **Rich** et al., teaches a method that simplifies the tasks that programmers need to carry out to manipulate (e.g., load and save) archives. This is accomplished by providing a common archive interface which is utilized by the programmer to access archive files of varying formats. The common archive interface implements a common set of methods or instructions which the programmer can utilize to manipulate the files, and which automatically and transparently to the programmer loads and saves the files appropriately without regard as to the format (archive or directory) in which the files are stored. **Watanabe**, teaches An information-gathering system includes a web archive that stores a first web-page with a first address and first generation

information corresponding to the first web-page, a determining unit that
determines whether a linked web-page specified in a second web-page that is
being referred is stored in the web archive based on a second address of the linked
web-page and second generation information corresponding to the second web-
page, and an information gathering unit that gathers the linked web-page via the
network based on the second address when the determining unit determines that
the linked web-page is not stored in the web archive. However, none of them
teaches the features in such a manner as recited in independent claim 28.

Any comments considered necessary by applicant must be submitted no later
than the payment of the issue fee and, to avoid processing delays, should
preferably accompany the issue fee. Such submissions should be clearly labeled
"Comments on Statement of Reasons for Allowance."

5.   Any inquiry concerning this communication or earlier communications from
the examiner should be directed to Chih-Ching Chow whose telephone number is
571-272-3693. The examiner can normally be reached on 7:00am - 3:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the
examiner's supervisor, Wei Zhen can be reached on 571-272-3708. The fax phone
number for the organization where this application or proceeding is assigned is
571-273-8300.

Information regarding the status of an application may be obtained from the
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contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Chih-Ching Chow/
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7/8/2008
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